

=> d his

(FILE 'HOME' ENTERED AT 14:53:51 ON 16 NOV 2007)

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS, SCISEARCH' ENTERED AT 14:54:10 ON
16 NOV 2007

```
L1      5628 S PHLEUM
L2      12681 S PRATENSE
L3      10701 S "GRASS POLLEN"
L4      23074 S L1 OR L2 OR L3
L5      10354 S L4 AND ALLERG?
L6      940 S L5 AND PHL
L7      18 S L5 AND PHLP
L8      951 S L6 OR L7
L9      101 S "PHLP 4" OR "PHL P 4" OR "PHL P4" OR PHLP4 OR "PHLP IV" OR "P
L10     99 S L9 AND L8
L11     31 DUP REMOVE L10 (68 DUPLICATES REMOVED)
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=> expand fiebig h/au

```
E1      6      FIEBIG G/AU
E2      2      FIEBIG G H/AU
E3      457 --> FIEBIG H/AU
E4      931     FIEBIG H H/AU
E5      98      FIEBIG H J/AU
E6      2      FIEBIG H JOCHEN/AU
E7      99      FIEBIG H R/AU
E8      7      FIEBIG H RUDOLF/AU
E9      7      FIEBIG HANS J/AU
E10     2      FIEBIG HANS JOACHIM/AU
E11     17      FIEBIG HANS JOCHEN/AU
E12     1      FIEBIG HEINE H/AU
```

=> s e3 or e4 or e5 or e6 or e7

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L12     1587 "FIEBIG H"/AU OR "FIEBIG H H"/AU OR "FIEBIG H J"/AU OR "FIEBIG
        H JOCHEN"/AU OR "FIEBIG H R"/AU
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=> expand nandy a/au

```
E1      1      NANDWATE H D/AU
E2      3      NANDY/AU
E3      307 --> NANDY A/AU
E4      9      NANDY A C/AU
E5      54      NANDY A K/AU
E6      17      NANDY A N/AU
E7      2      NANDY A S/AU
E8      8      NANDY AMITAB/AU
E9      7      NANDY AMITABHA/AU
E10     42      NANDY ANDREAS/AU
E11     2      NANDY ANIRVAN S/AU
E12     3      NANDY ANITA/AU
```

=> s e10 or e7 or e6 or e5 or e4 or e3 or e2

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L13     434 "NANDY ANDREAS"/AU OR "NANDY A S"/AU OR "NANDY A N"/AU OR "NANDY
        A K"/AU OR "NANDY A C"/AU OR "NANDY A"/AU OR NANDY/AU
```

=> expand suck r/au

```
E1      1      SUCK NAM GI/AU
E2      1      SUCK PIERRE/AU
E3      94 --> SUCK R/AU
E4      2      SUCK R L/AU
E5      1      SUCK R W/AU
E6      2      SUCK R W L/AU
E7      3      SUCK REINER/AU
E8      1      SUCK RO Y/AU
E9      4      SUCK ROEHRIG U/AU
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| | | |
|-----|----|--------------------|
| E10 | 4 | SUCK ROHRIG U/AU |
| E11 | 61 | SUCK ROLAND/AU |
| E12 | 2 | SUCK ROLAND W L/AU |

=> s e3 or e4 or e5 or e6 or e7 or e8 or e11 or e12

L14 166 "SUCK R"/AU OR "SUCK R L"/AU OR "SUCK R W"/AU OR "SUCK R W L"/AU
OR "SUCK REINER"/AU OR "SUCK RO Y"/AU OR "SUCK ROLAND"/AU OR
"SUCK ROLAND W L"/AU

=> expand cromwell o/au

| | | |
|-----|-----|------------------------|
| E1 | 1 | CROMWELL NORMAN/AU |
| E2 | 196 | CROMWELL NORMAN H/AU |
| E3 | 566 | --> CROMWELL O/AU |
| E4 | 1 | CROMWELL O F W/AU |
| E5 | 102 | CROMWELL OLIVER/AU |
| E6 | 1 | CROMWELL OLIVER F W/AU |
| E7 | 19 | CROMWELL P/AU |
| E8 | 24 | CROMWELL P F/AU |
| E9 | 13 | CROMWELL P R/AU |
| E10 | 5 | CROMWELL P W/AU |
| E11 | 2 | CROMWELL PAMELA L/AU |
| E12 | 1 | CROMWELL PATRICIA/AU |

=> s e3 or e4 or e5 or e6

L15 670 "CROMWELL O"/AU OR "CROMWELL O F W"/AU OR "CROMWELL OLIVER"/AU
OR "CROMWELL OLIVER F W"/AU

=> expand petersen a/au

| | | |
|-----|-----|--------------------|
| E1 | 1 | PETERSEMLIDIS D/AU |
| E2 | 19 | PETERSEN/AU |
| E3 | 993 | --> PETERSEN A/AU |
| E4 | 18 | PETERSEN A A/AU |
| E5 | 62 | PETERSEN A B/AU |
| E6 | 189 | PETERSEN A C/AU |
| E7 | 1 | PETERSEN A C B/AU |
| E8 | 4 | PETERSEN A C JR/AU |
| E9 | 12 | PETERSEN A D/AU |
| E10 | 21 | PETERSEN A E/AU |
| E11 | 6 | PETERSEN A F/AU |
| E12 | 24 | PETERSEN A G/AU |

=> s e2 or e3 or e4 or e5 or e6 or e7 or e8 or e9 or e10 or e11 or e12

L16 1349 PETERSEN/AU OR "PETERSEN A"/AU OR "PETERSEN A A"/AU OR "PETERSEN
A B"/AU OR "PETERSEN A C"/AU OR "PETERSEN A C B"/AU OR "PETERSE
N A C JR"/AU OR "PETERSEN A D"/AU OR "PETERSEN A E"/AU OR "PETERS
EN A F"/AU OR "PETERSEN A G"/AU

=> expand becker w/au

| | | |
|-----|------|------------------------------|
| E1 | 3 | BECKER VOLKMAR/AU |
| E2 | 3 | BECKER VON ROSE P/AU |
| E3 | 3827 | --> BECKER W/AU |
| E4 | 132 | BECKER W A/AU |
| E5 | 2 | BECKER W A P/AU |
| E6 | 154 | BECKER W B/AU |
| E7 | 1 | BECKER W B AND H G ABBOTT/AU |
| E8 | 150 | BECKER W C/AU |
| E9 | 34 | BECKER W D/AU |
| E10 | 50 | BECKER W E/AU |
| E11 | 78 | BECKER W F/AU |
| E12 | 65 | BECKER W G/AU |

=> s e3

L17 3827 "BECKER W"/AU

=> s l17 or l16 or l15 or l14 or l13 or l12
L18 7692 L17 OR L16 OR L15 OR L14 OR L13 OR L12

=> dup

ENTER REMOVE, IDENTIFY, ONLY, OR (?):remove

ENTER L# LIST OR (END):l18

PROCESSING IS APPROXIMATELY 12% COMPLETE FOR L18

PROCESSING IS APPROXIMATELY 34% COMPLETE FOR L18

PROCESSING IS APPROXIMATELY 51% COMPLETE FOR L18

PROCESSING IS APPROXIMATELY 90% COMPLETE FOR L18

PROCESSING COMPLETED FOR L18

L19 4347 DUP REMOVE L18 (3345 DUPLICATES REMOVED)

=> s l19 and grass

L20 139 L19 AND GRASS

=> s l20 and pollen

L21 125 L20 AND POLLEN

RESULT 18
 ADJ11662
 ID ADJ11662 standard; protein; 534 AA.
 XX
 AC ADJ11662;
 XX
 DT 20-MAY-2004 (first entry)
 XX
 DE Rice protein modulated by post-transcriptional gene silencing SeqID
 298.
 XX
 KW rice; post-transcriptional gene silencing; PTGS; plant; trans-
 activation;
 KW cereal; plant-viral interaction.
 XX
 OS Oryza sp.
 XX
 PN US2003135888-A1.
 XX
 PD 17-JUL-2003.
 XX
 PF 26-SEP-2002; 2002US-00259165.
 XX
 PR 26-SEP-2001; 2001US-0325277P.
 PR 27-MAR-2002; 2002US-0368327P.
 PR 04-APR-2002; 2002US-0370620P.
 XX
 PA (ZHUT/) ZHU T.
 PA (WANG/) WANG X.
 PA (CHAN/) CHANG H.
 PA (BRIG/) BRIGGS S P.
 PA (COOP/) COOPER B.
 PA (GLAZ/) GLAZEBROOK J.
 PA (GOFF/) GOFF S A.
 PA (KATA/) KATAGIRI F.
 PA (KREP/) KREPS J.
 PA (MOUG/) MOUGHAMER T.
 PA (PROV/) PROVART N.
 PA (RICK/) RICKE D.
 XX
 PI Zhu T, Wang X, Chang H, Briggs SP, Cooper B, Glazebrook J;
 PI Goff SA, Katagiri F, Kreps J, Moughamer T, Provart N, Ricke D;
 XX
 DR WPI; 2003-829655/77.
 DR N-PSDB; ADJ11661.
 XX
 PT New polynucleotide, useful for modulating gene expression within a
 cell
 PT by posttranscriptional gene silencing.
 XX
 PS Claim 7; SEQ ID NO 298; 79pp; English.
 XX
 CC This invention relates to a novel method for identifying isolated
 CC polynucleotides that are modulated by post-transcriptional gene
 silencing
 CC (PTGS). Specifically, it refers to the regulation of gene
 expression in
 CC plants via PTGS and the trans-activation of homologous genes due to
 CC increased RNA degradation. The present invention describes clusters
 of
 CC polynucleotides from cereals, in particular rice, as well as

CC and the polypeptide sequences derived thereof, where gene
expression is
CC altered in response to PTGS. As such, the elucidation of gene
silencing
CC mechanisms can lead to more efficiently expressed transgenes, and
can
CC also improve the understanding of plant-viral interactions and
targeting
CC the suppression of specific plant genes. This polypeptide sequence
is a
CC rice protein sequence that is modulated by gene silencing, given in
an
CC exemplification of the invention. NOTE: This sequence does not
appear in
CC the printed specification but has been obtained in electronic
format from
CC the US patent office at
CC <ftp://seqdata.uspto.gov/sequence.html?DocID=20030135888>.
XX
SQ Sequence 534 AA;

[illegible]

QY 71 CGRRHGVIRIVRSGGHDYEGLSYRSLQ-PEEFAVVDLS--
KMRVWVDGKARTAWVDSGA 127

Qy 128
QLGELYIAIHKASTVLAFPAGVCPTIGVGGNFAGGGFGMLLRKYGIAAENVIDVKLV DAN 187

. | | : | | | : : | | | | : | | | : | | | | : : | | : : | : : | : : :

Qy 188
GTLHDKKSMGDDHFWAVRGGGESFGIVVAWKVRLLPVPPTVTVFKIPKKASEGAVDIIN 247

Qy 248
RWQVVAPQLPDDLIRVIAQGPTATFEAMYLGTCTLTPMSSKFPPELGMNASHCNEMSW 307
:| | | | | | | :| | :| | | | | | | :| | | | | | | :| | | | | | |

Db 278
KWQRVAPSLPSDAFLRVVVQNONAQFESLYLGTRAGLVAAAMADAFPELNVTASDCIEMTW 337

Qy 308 IQSIPFVHLGHRDNIEDDLLNRNNTFKP--
FAEYKSDYVYEPFPRVWEQIFSTWLLKPG 365

:|: : : |: | : : |||| | | :|| :| |||

|
Db 338 VQSVLYFAFYGTGKPPMELLDR-GTGRPDYFKAQSDYVQEPMPQSQVWETTWS-
WLLKDG 395

Qy 366 AGIMIFDPYGATISATPEWATPFPHRKGVLFNQYVNYWFAPGAGAAP--
LSWSKEIYNY 423

||:| ||| :| |||||: |:||| :| | | :| :|

Db 396 AGLLILDPYGGEMARVAPAATPFPHRQ-
ALYNIQYYGFWSESGEAAAAMGWIRGVYGE 454

Qy 424 MEPYVSKNPRQAYANYRDIDLGRNEVVNDVSTFSSGL-----
VWGQKYFKGNFQRL 474

||||||| | | |||:| | | | : | | | : | | |

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Db 455 MEPYVSKNPRGAYVNYRDLDLG----
VNDDGDDGGGVARARYEKATVWGRAYFKANFERL 510

Qy 475 AITKGKVDPTDYFRNEQSIPPL 496

| | ||| :|:|||||

Db 511 AAVKAKVDPDNYFKNEQSIPPL 532

WEST Search History

DATE: Friday, November 16, 2007

| Hide? | <u>Set</u> <u>Name</u> | <u>Query</u> | <u>Hit</u> <u>Count</u> |
|--------------------------|---------------------------|--|----------------------------|
| | | <i>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=AND</i> | |
| <input type="checkbox"/> | L1 | phl or phlp | 979 |
| <input type="checkbox"/> | L2 | L1 and grass | 167 |
| <input type="checkbox"/> | L3 | L2 | 167 |
| <input type="checkbox"/> | L4 | L2 | 167 |
| <input type="checkbox"/> | L5 | "phleum pratense" | 310 |
| <input type="checkbox"/> | L6 | l4 or L5 | 419 |
| <input type="checkbox"/> | L7 | L6 and allerg\$ | 320 |
| <input type="checkbox"/> | L8 | phlp4 or phlpIV or "phl p 4" or "Phl p IV" or "Phlp 4" or "Phlp IV" or "Phl p4" or "Phl pIV" | 16 |

END OF SEARCH HISTORY